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919-854-1401 MBS&S

NO. 7032 P. 12/36

EXHIBIT B



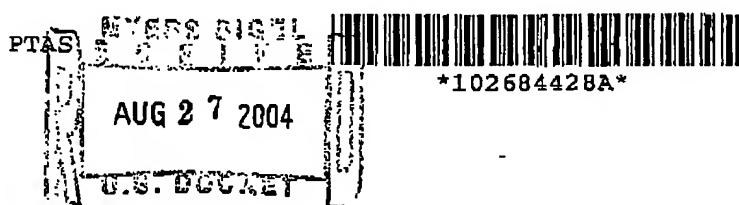
DRA

UNITED STATES PATENT AND TRADEMARK OFFICE

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AUGUST 23, 2004

MYERS BIGEL SIBLEY & SAJOVEC
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P.O. BOX 37428
RALEIGH, NC 27627

UNITED STATES PATENT AND TRADEMARK OFFICE
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/23/2004

REEL/FRAME: 015021/0179
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 5649-1235

ASSIGNEE:
SONG, TAE-JOONG

DOC DATE: 02/09/2004

ASSIGNEE:
SAMSUNG ELECTRONICS CO., LTD.
416 MAETAN-DONG, PALDAL-GU
SUWON-CITY, KYUNGKI-DO
REPUBLIC
OF KOREA

SERIAL NUMBER: 10783481
PATENT NUMBER:
TITLE: MEMORY DEVICES HAVING BIT LINE PRECHARGE CIRCUITS WITH OFF CURRENT
PRECHARGE CONTROL AND ASSOCIATED BIT LINE PRECHARGE METHODS

FILING DATE: 02/20/2004
ISSUE DATE:

03-17-04 4:51:15:11

MAR. 17. 2006 12:30PM

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ASSIGNMENT RECOR

03-04-2004

Patents On.,

To the Honorable Commissio



Please record the attached orig

102684428

Date: February 20, 2004
Attorney Docket No. 5649-1235

1. Name of conveying party(ies):

1) Tae-joong Song

2.23.04

2. Name and address of receiving party(ies):

Samsung Electronics Co., Ltd.
416 Maetan-dong, Paldal-gu
Suwon-City, Kyungki-do
REPUBLIC OF KOREA

17497 U.S.PTO
10/783481



Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other

Execution Date: 1) February 9, 2004

Additional name(s) & address(es) attached? Yes No

4. Application Serial No. _____ Patent No. _____

If this document is being filed together with a new application, the execution date of the application is: 1) February 9, 2004

Additional numbers attached? Yes No

10783481

5. Name and address of party to whom correspondence concerning document should be mailed:

D. Randal Ayers
Myers Bigel Sibley & Sajovec
P. O. Box 37428
Raleigh NC 27627

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number: 50-0220

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9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

D. Randal Ayers, Reg. No. 40,493

Name of Person Signing

Signature

February 20, 2004

Date

Total number of pages including cover sheet, attachments and document: 3

03/04/2004 DBYRME 00000011 10783481
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Attorney Docket 5649-1235
ASSIGNMENT

THIS ASSIGNMENT, made by me, **Tae-joong Song**; a citizen of Korea, residing at 306-1002, Shinyoungton Hyundaitown, 860, Banwol-ri, Taean-eup, Hwaseong-gun, Kyungki-do, Republic of Korea;

WITNESSETH: That,

WHEREAS, I am the sole inventor of certain new and useful improvements in **MEMORY DEVICES HAVING BIT LINE PRECHARGE CIRCUITS WITH OFF CURRENT PRECHARGE CONTROL AND ASSOCIATED BIT LINE PRECHARGE METHODS**, for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. I hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known or to file this Assignment concurrently with the application, and

WHEREAS, **Samsung Electronics Co., Ltd.**, a Korean corporation having a principal place of business at 416 Maetan-dong, Yeongtong-gu, Suwon-city, Gyeonggi-do, Republic of Korea, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

I hereby request that said Letters Patent be issued in accordance with this assignment.

I further covenant and agree that, at the time of the execution and delivery of these presents, I possess full title to the invention and application above-mentioned, and that I have the unencumbered right and authority to make this assignment.

I further covenant and agree to bind my heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to me relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 9th day of February, 2003.
2004

Tae-joong Song (SEAL.)
Tae-joong Song

Witnessed by:

Date: _____
